

DEPARTMENT OF THE ARMY  
OCO

Mr. Fredrickson/mmw/53776  
2 Apr 60

FROM: The Subcommittee on Infantry and Aircraft Weapon Systems

TO: The Ord Tech Committee

SUBJECT: CAP, BLASTING: electric, M6 (T6)  
CAP, BLASTING: nonelectric, M7 (T7)  
Classified as Std Type (STD-A)  
(DA 507-02-001 OMS-5530.12.511U)

1. REFERENCES:

- a. OTCM 33891
- b. OO/60 - U1 1028

2. DISCUSSION:

a. Development of the T6 and T7 Blasting Caps was initiated by reference 1a to provide blasting caps superior in design and performance to the standard caps.

b. By ref 1b Staff requested that the T6 Blasting Cap, with earth sand colored lead wires and the T7 Blasting Cap be classified as Standard Type (STD9A).

c. Pertinent data required by para 5g of AR 705-6 are as follows:

(1) The T6 and T7 Blasting Caps are designed to detonate explosives. They both consist of a .241 inch diameter x 2.35 inch long aluminum alloy cup containing a base charge of 13.5 grains of RDX. The T7 Cap is flared at its open end to facilitate a water-proof connection to standard demolit on devices. The design of the T6 Cap includes two copper wire leads 13 ft. long.

(2) The nomenclature is in accordance with the current Fed Catalog System.

(3) The using agencies are the US Army and the US Marine Corps.

(4) The blasting caps have been assigned to Fed Supply Class 1375 and are the logistic responsibility of the Ord Corps.

(5) The blasting caps have successfully completed the user test at the US Army Armor Board.

This document is part of an integrated file. If separated from the file it must be subjected to individual systematic review.

STAT

- (6) There are no stocks of these blasting caps available.
  - (7) The estimated unit costs of the T6 and the T7 Blasting Caps in quantities of 1 million are \$.50 and \$.10, respectively.
  - (8) No T6 or T7 Blasting Caps, other than development items, have been procured.
  - (9) The blasting caps are intended for future procurement.
  - (10) Training, operational and maintenance literature for blasting caps will be revised to include the T6 and T7 caps. A statement will be included that the junction between the T7 Blasting Cap and M700 Safety Fuze can be effectively waterproofed if the coating of standard issue sealing compound is allowed to dry approximately four hours before exposure to adverse conditions.
  - (11) The blasting caps do not require materials which might be unavailable under mobilization conditions.
  - (12) This action will not cause a new or substantially increased use of a material likely to be short under current or wartime conditions.
  - (13) Para 5g(1)(m) not applicable.
  - (14) The training allowances for the blasting caps are to be in accordance with TA-23-100 and the combat rates as prescribed in SB 38-26.
  - (15) The T6 and T7 Blasting Caps, their components and related documents are Uncl. (See Appendix I for exception.)
- d. Provisions of applicable portions of para 5H of AR 705-6 have been complied with.
- e. The following storage and shipping info applies to the T6 and T7 Blasting Caps.:
- Quantity / Distance Classification - Class 8.
  - Storage Compatibility - Group P.
  - ICC Hazard Classification - Class A.
  - ICC Marking for T7 - Blasting Caps - Handle Carefully
  - for T6 - Elec Blstg Cps - Handle Carefully
- f. No EOD tools are required for explosive ordnance disposal operations on the T6 and T7 Blasting Caps.
- g. The T6 and T7 Blasting Caps are recorded for Tripartite standardization on ILS 1-1-2-5 (2).

3. Recommendations:

The Subcommittee recommends that:

a. The Cap, Blasting: elec, T6 w/earth and colored lead wires, and the Cap, Blasting: nonelec, T7 be designated as Cap, Blasting: elec, M6 and Cap, Blasting: nonelec, M7, respectively, and be classified as Std Type (STD-A).

b. Subtask U of DA Proj 507-02-001 be terminated.

c. Reclassif. of the present std blasting caps be deferred until it can be determined that their requirements are satisfied by the M6 and M7 Blasting Caps.

d. Fed stock numbers be assigned to the M6 and M7 Blasting Caps.

e. Appendix I, Ord Item Security Check List, be approved.

f. This report be Uncl.

SUBMITTED FOR CONSIDERATION:

1 Incl: App I

/s/t/S. L. HALL  
Col, Ord Corps  
Chairman, Subcommittee